RUSLI PREP
TEST PREP & TUTORING

FREE PRACTICE PACKET · GRADE 3

# Multiplication & Division Facts

Facts within 100, missing numbers and word problems

**Inside**


| | |
|---|---|
| Part A · Multiplication facts | page 2 |
| Part B · Division facts | page 3 |
| Part C · Word problems | page 4 |
| Answer key | page 5 |


**Tips for parents**

Practice for 10 minutes a day rather than one long session. If a fact is tricky, have your child draw equal groups or an array. Celebrate the facts they know fast, then focus on just two or three new ones at a time.

Made by Tim Rusli, Math & Physics Tutor in Union, NJ · Aligned to NJ Student Learning Standards 3.OA.A.3 and 3.OA.C.7

Name _____ Date _____

# Part A · Multiplication facts

Multiplication means equal groups. 4 × 3 means 4 groups of 3.

**Example** 4 × 3 → 3 + 3 + 3 + 3 = 12

**Multiply.**

1. 3 × 4 =
2. 6 × 2 =
3. 5 × 7 =
4. 8 × 3 =
5. 9 × 2 =
6. 4 × 6 =
7. 7 × 7 =
8. 6 × 8 =
9. 9 × 5 =
10. 8 × 4 =
11. 7 × 6 =
12. 9 × 9 =

**Find the missing number.**

13. 4 × ☐ = 28
14. ☐ × 6 = 36
15. 8 × ☐ = 72
16. ☐ × 3 = 24

Name _____ Date _____

## Part B · Division facts

Division splits a total into equal groups. Think: what times the divisor makes the total?

**Example** 24 ÷ 6 → 6 × **4** = 24, so 24 ÷ 6 = 4

**Divide.**

1. 24 ÷ 6 =
2. 35 ÷ 5 =
3. 48 ÷ 8 =
4. 63 ÷ 9 =
5. 18 ÷ 3 =
6. 56 ÷ 7 =
7. 45 ÷ 9 =
8. 32 ÷ 4 =
9. 81 ÷ 9 =
10. 42 ÷ 6 =
11. 54 ÷ 6 =
12. 64 ÷ 8 =

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Name _____ Date _____

## Part C · Word problems

Draw a picture if it helps. Are you making equal groups (multiply) or sharing equally (divide)?

1. A garden has 6 rows with 4 tomato plants in each row. How many tomato plants are there?

   Answer: _____

2. Four friends share 32 stickers equally. How many stickers does each friend get?

   Answer: _____

3. Muffins come in boxes of 6. Mr. Lee buys 7 boxes. How many muffins does he have?

   Answer: _____

4. 45 students are split into teams of 5. How many teams are there?

   Answer: _____

5. Lila has 3 packs of crayons with 8 crayons in each pack. She gives 5 crayons to her brother. How many crayons does she have left?

   Answer: _____

6. Ben says 7 × 8 = 54. Is he right? Explain how you know.

**Challenge** I am a number. When you multiply me by 6, you get 54. What number am I?

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# Answer key

Answers are shown in simplest form.

## Part A

| | |
|---|---|
| A1 | 3 × 4 = **12** |
| A2 | 6 × 2 = **12** |
| A3 | 5 × 7 = **35** |
| A4 | 8 × 3 = **24** |
| A5 | 9 × 2 = **18** |
| A6 | 4 × 6 = **24** |
| A7 | 7 × 7 = **49** |
| A8 | 6 × 8 = **48** |
| A9 | 9 × 5 = **45** |
| A10 | 8 × 4 = **32** |
| A11 | 7 × 6 = **42** |
| A12 | 9 × 9 = **81** |
| A13 | **7** |
| A14 | **6** |
| A15 | **9** |
| A16 | **8** |

## Part B

| | |
|---|---|
| B1 | 24 ÷ 6 = **4** |
| B2 | 35 ÷ 5 = **7** |
| B3 | 48 ÷ 8 = **6** |
| B4 | 63 ÷ 9 = **7** |
| B5 | 18 ÷ 3 = **6** |
| B6 | 56 ÷ 7 = **8** |
| B7 | 45 ÷ 9 = **5** |
| B8 | 32 ÷ 4 = **8** |
| B9 | 81 ÷ 9 = **9** |
| B10 | 42 ÷ 6 = **7** |
| B11 | 54 ÷ 6 = **9** |
| B12 | 64 ÷ 8 = **8** |

## Part C

| | |
|---|---|
| C1 | **24** plants |
| C2 | **8** stickers |
| C3 | **42** muffins |
| C4 | **9** teams |
| C5 | 3 × 8 = 24, then 24 − 5 = **19** crayons |
| C6 | No. 7 × 8 = **56**. One way to check: 7 × 8 is 8 more than 7 × 7 = 49, and 49 + 8 = 56. |
| ★ | **9**, because 6 × 9 = 54 |

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NEED A LITTLE MORE HELP?

# One-on-one tutoring with Tim Rusli

I'm a Math and Physics tutor in Union, NJ with a Bachelor's in Applied Mathematics from Rutgers. I break hard problems into small, clear steps so students build real confidence, from elementary math to SAT Math, Calculus and Physics.

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